<u>**WHAT IS CLAIMED IS:**</u>

1. A photographing device capable of adjusting image sizes, comprising:

an image capturing unit for capturing an image of a subject and generating corresponding image signals;

a first memory for compressing the image signals output by the image capturing unit per frame and storing the compressed image signals;

a second memory for restoring the compressed image signals and storing the restored image signals;

a selection unit for selecting photographing modes that stores one frame image signals as the size of a first mode or a second mode; and

a microprocessor for restoring the corresponding image signals stored in the first memory, storing the restored image signals in the second memory, deleting the image signals of the first memory, sampling the restored image signals of the second memory, compressing the sampled image signals according to a compression ratio corresponding to the second mode, and storing the compressed image signals in the first memory when a user wishes to modify the image signals captured by the first mode size into image signals of the second mode size, the size of the first mode being greater than that of the second mode.

2. The photographing device of claim 1, wherein the image capturing unit comprises:

a image capturing lens for forming an image of the subject;

a charge coupled device (CCD) for capturing the image of the subject and outputting corresponding analog signals;

an analog signal processor for processing the analog signals output by the CCD and removing noises;

a signal converter for converting the analog signals into digital signals; and

a digital signal processor (DSP) for processing the digital signals and generating corresponding image signals.

3. The photographing device of claim 1, wherein the image capturing device further comprises a memory controller for inputting and outputting the image signals to the first and second memories according to control of the microprocessor.

4. A photographing method capable of adjusting image sizes, comprising:

restoring image signals captured by a first mode size and stored in a first memory and storing the restored image signals in a second memory;

determining whether to select a modification operation for modifying the image signals captured by the first mode size into those of the second mode size;

deleting the image signals stored in the first memory when the modification operation is selected;

sampling the image signals restored in the second memory;

compressing the sampled image signals according to a compression

ratio corresponding to the second mode; and

storing the compressed image signals in the first memory.

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